

== USS LABOON (DDG-58) ==
SEMAT II SHELL CONDITION ASSESSMENT
SURVEY
INTERIOR AREAS
01/02/02 TO 01/11/02



PREPARED BY
SUPERVISOR OF SHIPBUILDING CONVERSION
AND
REPAIR
PORTSMOUTH, VIRGINIA
01/11/02



4646 WITCHDUCK ROAD
VIRGINIA BEACH, VIRGINIA. 23455-6215
PHONE: 757-490-5000
FAX: 757-490-5027

11 JANUARY 2002
Serial # 1697 BA-026

Q.E.D. Systems, Inc. was tasked by the Supervisor of Shipbuilding Conversion and Repair, USN (SPORT) Portsmouth, VA to conduct an Ultrasonic Thickness (U/T) Survey of specific locations on board USS LABOON (DDG-58) during the period of 02 January 2002 – 11 January 2002.


The survey was conducted by Francis J. (Joe) LaRock II.

Certified Level II on 21 DECEMBER 2001.

The instrument used was a Krautkramer Branson, Model DMS-2TC.

Serial Number:	00N3V8
Calibration Date:	22 February 2001
Probes Used:	TC 560 FH 2 E KBA 525

I have reviewed the results of the survey and approved of the findings. The discrepancies have been recorded on MAF's and are included in this report.


Francis J. LaRock
Certified Level II
9 MARCH 2001

USS LABOON (DDG-58)

SHELL CONDITION ASSESSMENT SURVEY INTERIOR AREAS TABLE OF CONTENTS

➤ <u>GENERAL SUMMARY OF CONDITIONS FOUND</u>	4
➤ <u>SURVEY RESULTS</u>	5-6
➤ <u>A/C MACHINERY / PUMP ROOM (5-300-01-E)</u>	7-8
➤ <u>MAIN ENGINE ROOM NO.2 (4-254-0-E)</u>	9-13
➤ <u>AUXILIARY MACHINERY ROOM NO. 2 (4-220-0-E)</u>	14-15
➤ <u>MAIN ENGINE ROOM NO.1 (4-174-0-E)</u>	16-22
➤ <u>AUXILIARY MACHINERY ROOM NO. 1 (4-126-0-E)</u>	23-25
➤ <u>GENERATOR ROOM NO.3 (3-370-0-E)</u>	26-28
➤ <u>MATRIX</u>	29-40

USS LABOON (DDG-58)
SHELL CONDITION ASSESSMENT SURVEY, INTERIOR AREAS.

A SEMAT II UNDERWATER HULL AND SUPPORTING STRUCTURE SURVEY OF INTERIOR AREAS WAS CONDUCTED ON BOARD **USS LABOON** FROM 1/3/02 TO 1/11/02 AT NAVAL STATION NORFOLK, NORFOLK VIRGINIA.

THE SURVEY WAS CONDUCTED IN ACCORDANCE WITH HULL STRUCTURE MRC 1102 USING A DELMHORST BD 2100 MOISTURE METER AND A KRAUTKRAMER BRANSON MODEL DM2TC ULTRASONIC TEST INSTRUMENT SERIAL NO.00NV8 CALIBRATION DUE DATE 02/22/02.THE PROBES USED WERE KRAUTKRAMER BRANSON'S TC/560, FH2E AND KBA 525.

THE MOST CRITICAL AREA NOTED WAS IN MAIN ENGINE ROOM NO. 1. A COMBINATION OF TRAPPED WATER AND CLEANING GEAR STORED ON THE STRINGERS HAS SEVERELY DETERIORATED THE WELD JOINING THE STRINGER TO THE SHELL PLATING. ADDING WEEP HOLES TO THE STRINGERS AND STORING THE CLEANING GEAR ELSEWHERE WILL REDUCE THE POSSIBILITY OF FUTURE CORROSION. THE NUMEROUS EQUIPMENT DRAINS PIPED DIRECTLY TO THE TANK TOPS IN THE ENGINEERING SPACES CREATE AN ONGOING CORROSION PROBLEM.

THE SURVEY RESULTS SECTION CONTAINS A TABLE OF UNSATISFACTORY AREAS WITH THE (JSN'S) FROM THIS SURVEY AND (CSMP JSN'S) PREVIOUSLY SUBMITTED. A MATERIAL CONDITION ANALYSIS FORM (MCA) WAS SUBMITTED FOR AREAS WHERE NO WORK WAS REQUIRED. A (DDG-51) CLASS STRUCTURAL ASSESSMENT MATRIX IS LOCATED IN THE FINAL SECTION.THESE ARE SPACES LOCATED AT THE WATER LINE AND BELOW.

USS LABOON (DDG-58) STRUCTURAL INSPECTION RESULTS
UNSATISFACTORY AREAS

LOCATION	AREA	RESULTS
5-300-01-E A/C MACHINERY AND PUMP ROOM (CSMP / JSN-A064)	PORT SIDE, PORT SHELL, 1 ST AND 2 ND STRINGERS UP FROM MARGIN PLATE AND BILGES UNDER PORT SHAFT APPROXIMATELY 20' AFT OF BHD (300) TO APPROXIMATELY 4' FWD OF BHD (338)	CORROSION AND PAINT SEPARATION ON SHELL, STRINGERS AND IN BILGES
4-254-0-E MAIN ENGINE ROOM NO. 2 (JSN-A101)	STBD SIDE, L/L SHELL AND MARGIN PLATE UNDERNEATH NO. 2 FUEL TRANSFER HEATER AND NO. 2 FUEL TRANSFER PUMP.	APPROXIMATELY 8 SF OF MILD CORROSION / PAINT SEPARATION ON SHELL AND MARGIN PLATE
4-254-0-E MAIN ENGINE ROOM NO. 2 (CSMP / JSN-A030)	PORT SIDE, SHELL APPROXIMATELY 5' TO 8' AFT OF BHD (254) BETWEEN INNER BOTTOM TANKS	CORROSION AND PAINT SEPARATION ON SHELL
4-254-0-E MAIN ENGINE ROOM NO. 2 (CSMP / JSN-A030)	APPROXIMATELY 24' INBOARD OF STBD SHELL BY LUBE OIL SERVICE PUMP NO. 2A FWD OF BHD (254) AND BOTTOM 4" OF WEB AND FLANG FWD OF BHD (254)	CORROSION AND PAINT SEPARATION ON COLUMN, SHELL, WEB AND FLANGE.
4-254-0-E MAIN ENGINE ROOM NO. 2 (CSMP / JSN-A032)	APPROXIMATELY 5' AFT OF BHD (254) AND 9' INBOARD OF STBD SHELL AT L/L GRATING OF S/W COOLING SUPPLY FOR SSGTG NO. 2	CORROSION AND PAINT SEPARATION ON SHELL
4-220-0-E AUXILIARY MACHINERY ROOM NO. 2 (CSMP / JSN-1426)	TANK TOP AFT OF A/C PLANT NO. 2 AND OUTBOARD OF A/C PLANT NO. 2	CORROSION AND TRAPPED WATER
4-174-0-E MAIN ENGINE ROOM NO. 1 (JSN-A102)	PORT SIDE, L/L WHERE 2 ND STRINGER FROM MARGIN PLATE MEETS SHELL PLATE APPROXIMATELY 1' AFT OF WEB FRAME (180). STRINGERS OUTBOARD AND BELOW POWER PANEL (4-181-2) AND OUTBOARD AND BELOW DISTILLED WATER COLLECTING TANK	DEEP WASHOUT OF WELD AND HEAVY PITTING ON SHELL AT 2 ND STRINGER UP FROM MARGIN PLATE U/T READINGS ARE BELOW THE 25% WASTAGE CRITERIA. 3 RD AND 4 TH STRINGERS UP HAVE CORROSION AND PAINT SEPARATION.
4-174-0-E MAIN ENGINE ROOM NO. 1 (JSN- A104)	PORT SIDE, TANK TOP UNDERNEATH SW COOLING PUMP NO. 2 AND FIRE PUMP NO. 3	APPROXIMATELY 10 SF OF TRAPPED WATER, CORROSION AND PAINT SEPARATION
4-126-0-E AUXILIARY MACHINERY ROOM NO. 1 (CSMP / JSN-1623)	TANK TOP UNDER A/C PLANT NO. 1 BELOW (HD-1140 / SPY 1D) WATER COOLER AND ON TANK TOP AT BILGE EDUCTOR.	NUMEROUS DRAINS ARE PIPED DIRECTLY ON TO TANK TOP CAUSING CORROSION IN ENTIRE SPACE
3-370-0-E NO. 3 GENERATOR ROOM (CSMP / JSN-1119)	STBD SIDE, BILGES AT BHD (370) TO APPROXIMATELY 7' AFT OF BHD (370) AND TANK TOP / DECK. DRAINS PIPED DIRECTLY INTO BILGE	NUMEROUS DRAINS ARE PIPED DIRECTLY ON TO TANK TOP CAUSING CORROSION IN ENTIRE SPACE APPROXIMATELY 40 SF

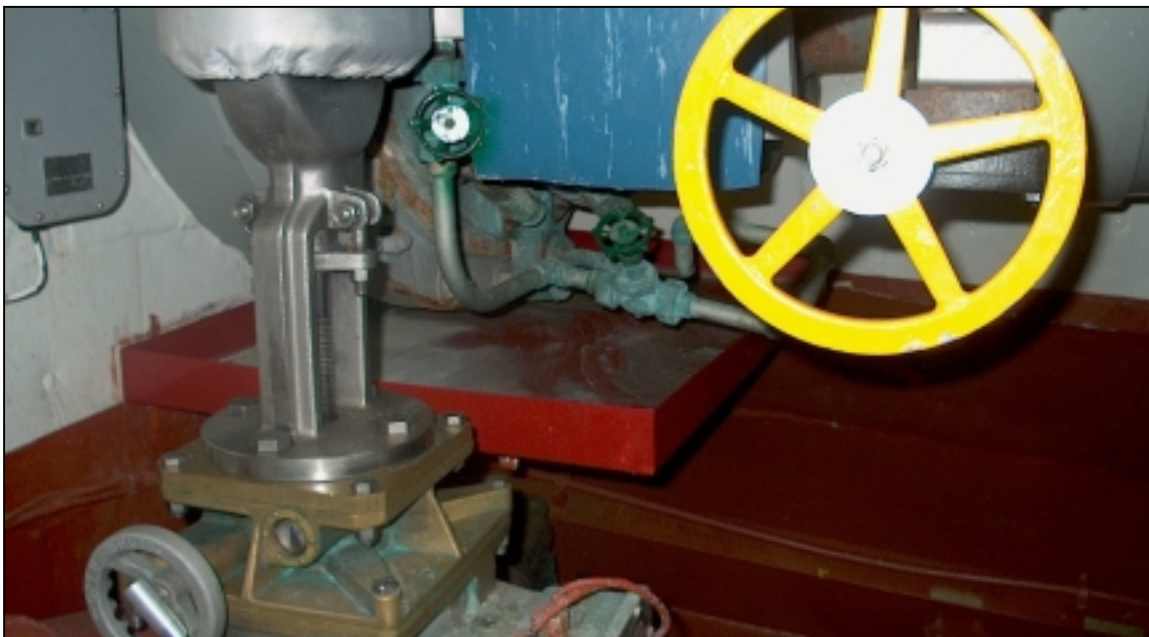
USS LABOON (DDG-58) STRUCTURAL INSPECTION RESULTS
SATISFACTORY AREAS

LOCATION	SPACE DESIGNATION	MCA SUBMITTED
3-18-0-Q	SONAR EQUIPMENT ROOM 3	YES
3-39-1-T	ACCESS TRUNK	YES
3-42-0-M	5/54 PROJECTILE MAGAZINE	YES
3-42-2-M	W/P MAGAZINE	YES
3-62-1-M	POWDER MAGAZINE NO.1	YES
3-68-2-M	POWDER MAGAZINE NO.2	YES
3-78-1-A	CPO BAGGAGE ROOM	YES
3-78-2-A	CREW BAGGAGE ROOM	YES
3-97-1-T	ACCESS TRUNK	YES
3-97-02-L	CREW LIVING SPACE	YES
3-116-1-T	ACCESS TRUNK	YES
3-126-2-Q	POWER SUPPLY CONVERTER ROOM	YES
3-158-3-T	ACCESS TRUNK	YES
3-164-4-T	ACCESS TRUNK	YES
3-220-01-A	SUPPLY DEPARTMENT STOREROOM NO.1	YES
3-220-2-Q	SUPPLY SUPPORT CENTER	YES
3-300-1-L	CREW LIVING SPACE NO.4	YES
3-300-2-L	WR/WC/SHOWER	YES
3-310-2-L	CREW LIVING SPACE NO.5	YES
3-325-1-L	WR/WC/SHOWER	YES
3-338-1-L	CREW LIVING SPACE NO. 6	YES
3-338-2-L	CREW LIVING SPACE NO. 7	YES
3-338-5-L	WR/WC/SHOWER	YES
3-338-6-L	WR/WC/SHOWER	YES
4-22-0-L	PASSAGEWAY	YES
4-42-0-Q	SONAR COOLING EQUIPMENT ROOM	YES
4-94-0-C	IC/GYRO ROOM NO.1	YES
4-110-0-E	VCHT ROOM	YES
4-110-1-L	PASSAGEWAY	YES
4-370-5-A	SUPPLY DEPARTMENT STOREROOM NO.3	YES
4-370-6-A	SUPPLY DEPARTMENT STOREROOM NO.4	YES
4-410-1-A	HAZARDOUS ISSUE ROOM	YES
4-410-2-A	BOSN STOREROOM NO. 3	YES
4-426-0-A	CHEMICAL DEFENSE EQUIPMENT ROOM	YES
4-442-0-E	STEERING GEAR ROOM	YES

CSMP REVIEW

ITEM NUMBER				SHIP USS LABOON (DDG-58)			
SYSTEM HULL DECKS		ESWBS 1850	EIC A700000	APL X-SYSTEMS		RIN	
EQUIPMENT NAME BILGES		IDENT/SERIAL NONE		LOCATION 5-300-01-E	WORK CENTER EMO2	JSN A064	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY DEADLINE DATE: 10/01/2000	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE 1		
MAN HRS EXPENDED	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 4		
PORT SIDE, A/C MACHINERY AND PUMP ROOM (5-300-01-E). CORROSION, PAINT SEPARATION ON PORT SHELL AND TRAPPED WATER FOUND IN STRINGERS AND BILGES UNDER PORT SHAFT APPROXIMATELY 20' AFT OF BHD (300) TO APPROXIMATELY 4' FWD OF BHD (338) PORT SIDE UNDER DRIP PAN. XXX SHIPS FORCE TO CLEAN TO BARE METAL, PRIME AND PAINT TO SPECIFICATIONS.							
CSMP SUMMARY: TRAPPED WATER IN BILGES AND CORROSION ON SHELL					TEST#		
ROOT CAUSE/AMPLIFICATION					STEP#		
SYSTEM LEVEL IMPACT:							
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: _____ VALID (NO CORRECTIONS) <input checked="" type="checkbox"/> REWRITE (VALID) _____ FOUND COMPLETE _____ COMPLETED BY SEMAT _____ CANCEL (WORK NOT REQUIRED) _____ NOT VALIDATED _____				UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP: YES _____ NO _____			
FIRST CONTACT VEJAR.	RATE GSM3	SECOND CONTACT FOSTER	RATE GSM1	PHONE			
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						ON BRD YES NO	
ASSESSOR: J. LAROCK QED SYSTEMS INC.			TD	TL	LOGISTICIAN		PAGE NO
CODE			PHONE: 757-490-5047				

USS LABOON (DDG-58)
A/C MACHINERY / PUMP ROOM (5-300-01-E)
PORT SIDE



PORT SHAFT AT BHD (338) , CORROSION WAS FOUND ON SHELL FROM BHD (338) TO
APPROXIMATELY 20' FWD. (CSMP / JSN-A064)



TRAPPED WATER AND CORROSION IN BILGE UNDER PORT SHAFT LOOKING INBOARD.

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS LABOON (DDG-58)			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 4-254-0-E	WORK CENTER EMO2	JSN A101
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY	EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED	.9
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2	MAN HRS REMAINING 40	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE
DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: STBD SIDE (4-254-0-E) ENGINE ROOM NO. 2 L/L					
MILD CORROSION / PAINT SEPARATION ON SHELL AND MARGIN PLATE UNDERNEATH NO. 2 FUEL TRANSFER HEATER					
AND NO. 2 FUEL TRANSFER PUMP APPROXIMATELY 8 SF.					
RECOMMENDED REPAIRS:					
RECOMMEND SHIPS FORCE CLEAN AREA TO BARE METAL, PRIME AND PAINT APPROXIMATELY 8 SF.					
SSPORT C221 POC: B. WILLIAMS (757) 396-4001 EXT 2166, TPOC: C. BUCK 396-4001					
CSMP SUMMARY:				TEST#	
MILD CORROSION ON SHELL / MARGIN PLATE. STBD SIDE L/L				MRC 1102/1	
ROOT CAUSE/AMPLIFICATION:				STEP#	
H1				1,2,3,4 & 5	
SYSTEM LEVEL IMPACT:					
PART NO.	NOMEMCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT MANN	RATE DC1	SECOND CONTACT ALCOMBRACK	RATE DC1	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK/ T. ILGENFRITZ QED SYSTEMS INC.			TD	LOGISTICIAN	TSP

USS LABOON (DDG-58)
MAIN ENGINE ROOM NO. 2 (4-254-0-E)
STARBOARD SIDE LOWER LEVEL



CORROSION ON SHELL PLATE UNDERNEATH NO. 2 FUEL TRANSFER HEATER



CORROSION ON SHELL AND MARGIN PLATE UNDERNEATH NO. 2 FUEL TRANSFER PUMP.

CSMP REVIEW

ITEM NUMBER				SHIP USS LABOON (DDG-58)			
SYSTEM HULL DECKS		ESWBS 1991	EIC T000000	APL 89DG59100		RIN	
EQUIPMENT NAME SHELL AND SUPPORTING STRUCTURE		IDENT/SERIAL SNA08		LOCATION 4-254-0-E	WORK CENTER EMO2	JSN A030	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY DEADLINE DATE: 10/15/2000	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE 1		
MAN HRS EXPENDED	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 4		
MAIN ENGINE ROOM NO. 2 (4-254-0-E), PORT SIDE SHELL, HAS CORROSION AND PAINT SEPARATION APPROXIMATELY 5' TO 8' AFT OF BHD (254) BETWEEN INNER BOTTOM TANKS AND SHELL PORT SIDE. XXX SHIPS FORCE TO PRESERVE, PRIME AND PAINT CORRODED AREAS TO SPECIFICATIONS.							
CSMP SUMMARY: CORROSION ON PORT SIDE SHELL AND INNER BOTTOM TANK.					TEST#		
ROOT CAUSE/AMPLIFICATION					STEP#		
SYSTEM LEVEL IMPACT:							
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: _____ VALID (NO CORRECTIONS) <u> X </u> REWRITE (VALID) _____ FOUND COMPLETE _____ COMPLETED BY SEMAT _____ CANCEL (WORK NOT REQUIRED) _____ NOT VALIDATED _____				UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP: YES _____ NO _____			
FIRST CONTACT BONUKE	RATE GSM3	SECOND CONTACT FOSTER	RATE GSM1	PHONE			
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						ON BRD YES NO	
ASSESSOR: J. LaRock QED SYSTEMS INC.			TD	TL	LOGISTICIAN		PAGE NO
CODE			PHONE: 757-490-5047				

CSMP REVIEW

ITEM NUMBER				SHIP USS LABOON (DDG-58)			
SYSTEM HULL DECKS		ESWBS 1991	EIC T000000	APL X-SYSTEMS		RIN	
EQUIPMENT NAME SHELL AND SUPPORTING STRUCTURE		IDENT/SERIAL NONE		LOCATION 4-254-0-E	WORK CENTER EMO2		JSN A030
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY DEADLINE DATE: 10/15/2000	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE 1		
MAN HRS EXPENDED	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 4		
MAIN ENGINE ROOM NO. 2 (4-254-0-E) HAS MILD CORROSION AND PAINT SEPARATION ON COLUMN FWD OF BHD (254), BOTTOM 4" OF WEB AND FLANGE FWD OF BHD (254) AND 24' INBOARD OF STBD SHELL BY LOSEP NO. 2A. XXX SHIPS FORCE TO PRESERVE, PRIME AND PAINT APPROXIMATELY 4 SF OF AREA TO SPECIFICATIONS.							
CSMP SUMMARY: CORROSION ON SHELL AND BILGE AREA					TEST#		
ROOT CAUSE/AMPLIFICATION					STEP#		
SYSTEM LEVEL IMPACT:							
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: _____ VALID (NO CORRECTIONS) <u> X </u> REWRITE (VALID) _____ FOUND COMPLETE _____ COMPLETED BY SEMAT _____ CANCEL (WORK NOT REQUIRED) _____ NOT VALIDATED _____				UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP: YES _____ NO _____			
FIRST CONTACT VEJAR.	RATE GSM3	SECOND CONTACT FOSTER	RATE GSM1	PHONE			
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						ON BRD YES NO	
ASSESSOR: J. LaRock QED SYSTEMS INC.			TD	TL	LOGISTICIAN		PAGE NO
CODE			PHONE: 757-490-5047				

CSMP REVIEW

ITEM NUMBER				SHIP USS LABOON (DDG-58)			
SYSTEM HULL DECKS		ESWBS 1130	EIC A400000	APL X-SYSTEMS		RIN	
EQUIPMENT NAME SHELL AND SUPPORTING STRUCTURE		IDENT/SERIAL NONE		LOCATION 4-254-0-E	WORK CENTER EMO2	JSN A032	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY DEADLINE DATE: 10/15/2000	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE 1		
MAN HRS EXPENDED	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 4		
MAIN ENGINE ROOM NO. 2 (4-254-0-E), HAS CORROSION AND PAINT SEPARATION 5' AFT OF BHD (254) AND 9' INBOARD OF STBD SHELL AT L/L GRATING FOR S/W COOLING SUPPLY FOR SSGTG NO. 2. XXX SHIPS FORCE CLEAN TO BARE METAL, PRIME AND PAINT TO SPECIFICATIONS.							
CSMP SUMMARY: APPROXIMATELY 4 SF OF DRIP PAN DETERIORATED					TEST#		
ROOT CAUSE/AMPLIFICATION					STEP#		
SYSTEM LEVEL IMPACT:							
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: _____ VALID (NO CORRECTIONS) <u> X </u> REWRITE (VALID) _____ FOUND COMPLETE _____ COMPLETED BY SEMAT _____ CANCEL (WORK NOT REQUIRED) _____ NOT VALIDATED _____				UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP: YES _____ NO _____			
FIRST CONTACT BONUKE	RATE GSM3	SECOND CONTACT FOSTER	RATE GSM1	PHONE			
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						ON BRD YES NO	
ASSESSOR: J. LaRock QED SYSTEMS INC.			TD	TL	LOGISTICIAN		PAGE NO
CODE			PHONE: 757-490-5047				

CSMP REVIEW

ITEM NUMBER				SHIP USS LABOON (DDG-58)			
SYSTEM HULL DECKS		ESWBS	EIC 1000	APL X-SYSTEMS		RIN N/L	
EQUIPMENT NAME SHELL AND SUPPORTING STRUCTURE		IDENT/SERIAL		LOCATION 4-220-0-E	WORK CENTER EAO1		JSN 1426
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 4	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY DEADLINE DATE:	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 1	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE 8		
MAN HRS EXPENDED	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS		PRIORITY	
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION				1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2	
AUXILIARY MACHINERY ROOM NO. 2 (4-220-0-E), CORROSION AND TRAPPED WATER ON TANK TOP AFT OF A/C PLANT NO. 2 AND ON TANK TOP OUTBOARD OF A/C PLANT NO. 2. XXX SHIPS FORCE TO CLEAN TO BARE METAL, PRIME AND PAINT WITH ANTISWEAT PAINT. (MPHILLIPS-pe-A221 MOISTURE TOLERANT PAINT.)							
CSMP SUMMARY:						TEST#	
CORROSION AND TRAPPED WATER ON TANK TOP							
ROOT CAUSE/AMPLIFICATION						STEP#	
SYSTEM LEVEL IMPACT:							
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: VALID (NO CORRECTIONS) — X — REWRITE (VALID) — FOUND COMPLETE — COMPLETED BY SEMAT — CANCEL (WORK NOT REQUIRED) — NOT VALIDATED —				UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP: YES — NO —			
FIRST CONTACT MCGEORGE		RATE EN2	SECOND CONTACT MEREDITH		RATE EN2	PHONE	
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						ON BRD YES NO	
ASSESSOR: J. LaRock QED SYSTEMS INC.				TD	TL	LOGISTICIAN	PAGE NO
CODE:				PHONE: 757-490-5047			

USS LABOON (DDG-58)
AUXILIARY MACHINERY ROOM NO. 2 (4-220-0-E)



CORROSION AND TRAPPED WATER ON TANK TOP AFT OF A/C PLANT NO. 2
CSMP / JSN-1426



CORROSION AND TRAPPED WATER ON TANK TOP OUTBOARD OF A/C PLANT NO. 2
(CSMP / JSN-1426). THIS PROBLEM IS COMMON IN ALL ENGINEERING SPACES.

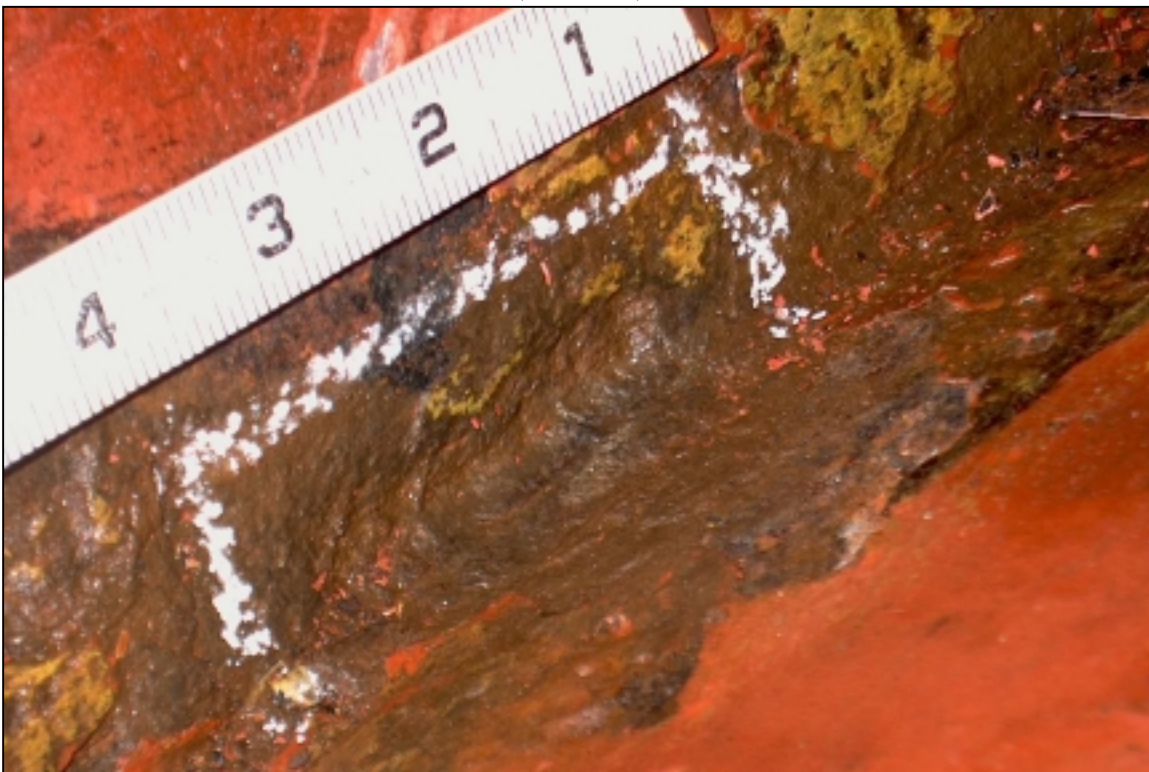
MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS LABOON (DDG-58)			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 4-174-0-E	WORK CENTER EMO2	JSN A102
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY	EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED	.9
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PRIOR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY BY 10/30/03	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2	MAN HRS REMAINING 300	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE
DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: PORT SIDE L/L (4-174-0-E) MAIN ENGINE ROOM 1					
DEEP WASHOUT OF WELD AND HEAVY PITTING WHERE 2 ND STRINGER FROM MARGIN PLATE MEETS SHELL PLATE					
APPROXIMATELY 1 FT AFT OF WEB FRAME (180). U/T READINGS ARE BELOW THE 25% WASTAGE CRITERIA. CORROSION					
AND HEAVY PAINT SEPARATION WAS DISCOVERED ON STRINGERS BEHIND AND BELOW POWER PANEL (4-181-2) AND					
BEHIND AND BELOW DISTILLED WATER COLLECTING TANK.					
RECOMMENDED REPAIRS:					
RECOMMEND REPAIR ACTIVITY, GRIND WASHOUT TO CLEAN METAL AND RE-WELD APPROXIMATELY 18" OF AFFECTED AREA, PERFORM NDT.					
RECOMMEND CLEANING STRINGERS TO BARE METAL, PRIME AND PAINT.					
.					
SSPORT C221 POC: B. WILLIAMS (757) 396-4001 EXT 2166, TPOC: C. BUCK 396-4001					
CSMP SUMMARY: SHELL PLATE IS THINNING AT 2 ND STRINGER AFT OF WEB FRAME (180)				TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5	
SYSTEM LEVEL IMPACT:					
PART NO.	NOMENCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT MANN	RATE DC1	SECOND CONTACT ALCOMBRACK	RATE DC1	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK/ T. ILGENFRITZ			TD	TL	LOGISTICIAN
QED SYSTEMS INC.					TSP

USS LABOON (DDG-58)
MAIN ENGINE ROOM NO. 1 (4-174-0-E)
PORT SIDE



POWER PANEL (4-181-2), APPROXIMATELY 8 FT AFT OF BHD (174). DEEP WASHOUT OF WELD AT 2ND STRINGER FROM MARGIN PLATE. (SIDE OF TANK).
(JSN-A102)



USS LABOON (DDG-58)
MAIN ENGINE ROOM NO. 1 (4-174-0-E)
PORT SIDE



HEAVY PITTING AND DEEP WASHOUT OF WELD ON 2ND STRINGER FROM MARGIN PLATE
APPROXIMATELY 1 FT AFT OF WEB FRAME (180)
(JSN-A102)



4TH STRINGER UP FROM MARGIN PLATE BEHIND POWER PANEL (4-181-2), HEAVY PAINT
SEPARATION.

USS LABOON (DDG-58)
MAIN ENGINE ROOM NO. 1 (4-174-0-E)
PORT SIDE

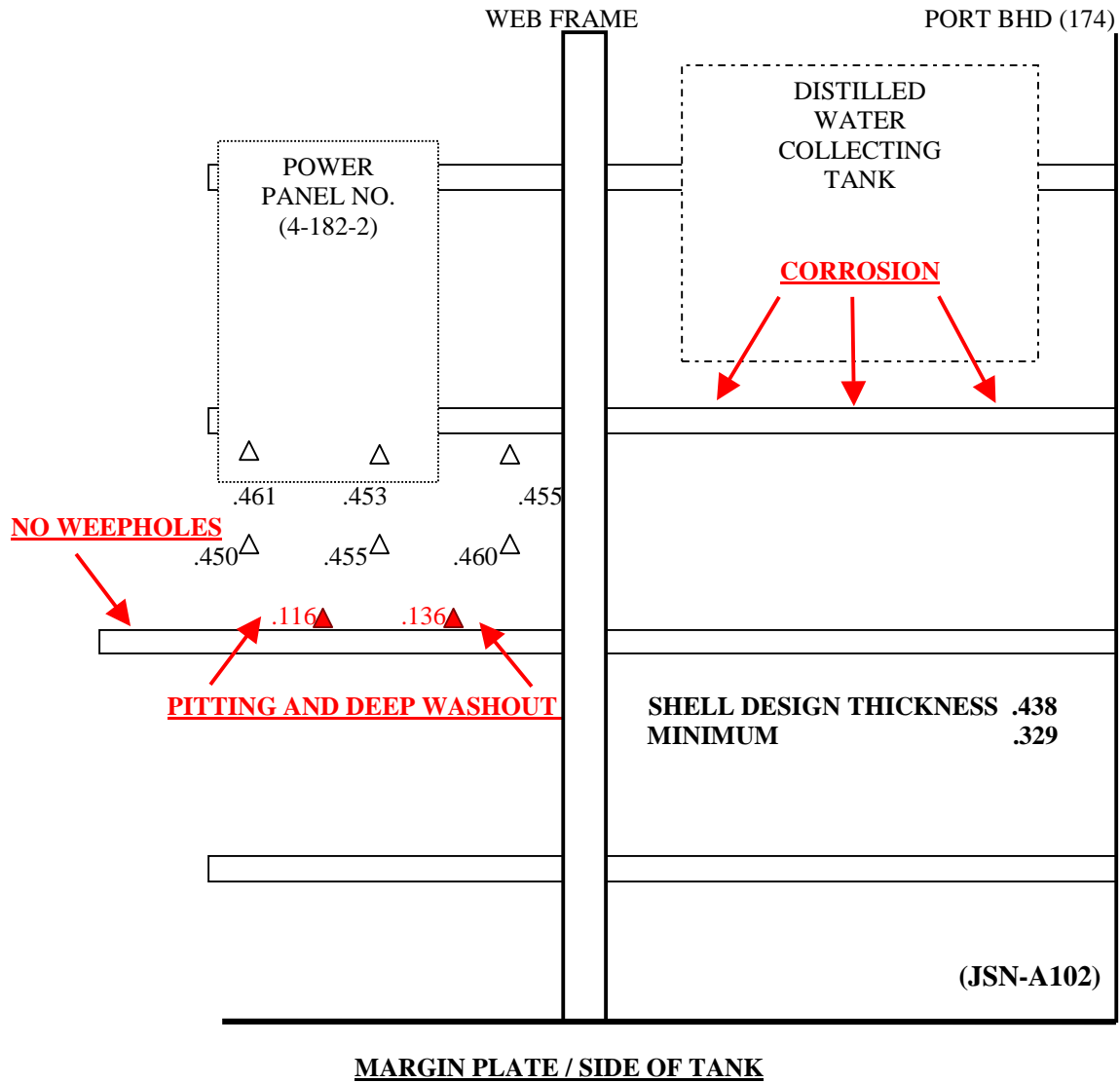


DISTILLED WATER COLLECTING TANK AT BHD (174) AND PORT SIDE SHELL.
CORROSION AND HEAVY PAINT SEPARATION WERE FOUND ON STRINGERS
BEHIND AND BELOW TANK.
(JSN-A102)



CORROSION ON STRINGER BELOW COLLECTING TANK

USS LABOON (DDG-58)
MAIN ENGINE ROOM NO. 1 (4-174-0-E)



J. LaROCK / T. ILGENFRITZ
 QED SYSTEMS INC.
 01/09/02

MATERIAL ASSESSMENT FORM

ITEM NUMBER		SHIP USS LABOON (DDG-58)			
SYSTEM SHELL & SUPPORTING STRUCTURE 110		ESWBS 11011	EIC A100	APL X-SYSTEMS	RIN N/L
EQUIPMENT NAME HULL STRUCTURE 1102XY		IDENT/SERIAL N/A	LOCATION 4-174-0-E	WORK CENTER EMO2	JSN A104
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY	EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED	.9
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON	
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE	
MAN HRS EXPENDED 2	MAN HRS REMAINING 100	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE
DISCREPANCY DESCRIPTION: PER SEMAT II UNDERWATER HULL ASSESSMENT: PORT SIDE, L/L (4-174-0-E) MAIN ENGINE ROOM 1					
TRAPPED WATER ON TANK TOP UNDERNEATH SW COOLING PUMP NO. 2 AND FIRE PUMP NO. 3 CAUSING CORROSION AND PAINT SEPARATION. APPROXIMATELY 10 SF					
RECOMMENDED REPAIRS: RECOMMEND SHIPS FORCE CLEAN AREA TO BARE METAL, PRIME AND PAINT APPROXIMATELY 10 SF.					
SSPORT C221 POC: B. WILLIAMS (757) 396-4001 EXT 2166, TPOC: C. BUCK 396-4001					
CSMP SUMMARY: TRAPPED WATER CAUSING CORROSION ON TANK TOP.				TEST# MRC 1102/1	
ROOT CAUSE/AMPLIFICATION: H1				STEP# 1,2,3,4 & 5	
SYSTEM LEVEL IMPACT:					
PART NO.	NOMENCLATURE		QTY	NSN	COST
1					
2					
3					
4					
5					
6					
FIRST CONTACT MANN	RATE DC1	SECOND CONTACT ALCOMBRACK	RATE DC1	PHONE	
ASSESSOR / ACT / TECH ID# J. LaROCK/ T. ILGENFRITZ QED SYSTEMS INC.			TD	TL	LOGISTICIAN
					TSP

USS LABOON (DDG-58)
MAIN ENGINE ROOM NO. 1 (4-174-0-E)
PORT SIDE



CORROSION AND TRAPPED WATER ON TANK TOP UNDERNEATH NO. 2 SALT WATER COOLING PUMP.
(JSN-A104)



CORROSION AND WATER ON TANK TOP UNDERNEATH OF FIRE PUMP NO. 3

CSMP REVIEW

ITEM NUMBER				SHIP USS LABOON (DDG-58)			
SYSTEM HULL DECKS		ESWBS 6200	EIC U000000	APL X-SYSTEMS		RIN	
EQUIPMENT NAME TANK TOP		IDENT/SERIAL NONE		LOCATION 4-126-0-E	WORK CENTER EA01	JSN 1623	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE	DEFERRAL REASON			
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 5	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY DEADLINE DATE: 12/23/2001	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 0	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 7	1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE 2			
MAN HRS EXPENDED	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAVIER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 2		
CORROSION ON TANK TOP UNDER A/C PLANT NO. 1, BELOW (HD-1140 / SPY 1D) WATER COOLER AND ON TANK TOP AT BILGE EDUCTOR. NUMEROUS DRAINS PIPED DIRECTLY ON TO TANK TOP CAUSING CORROSION IN ENTIRE SPACE. XXX SHIPS FORCE TO PRESERVE, PRIME AND PAINT TO SPECIFICATIONS.							
CSMP SUMMARY: ENTIRE AREA UNDER A/C PLANT NO. 1, WATER COOLER AND BILGE EDUCTOR CORRODED.						TEST#	
ROOT CAUSE/AMPLIFICATION						STEP#	
SYSTEM LEVEL IMPACT:							
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: ____ VALID (NO CORRECTIONS) <u>X</u> REWRITE (VALID) ____ FOUND COMPLETE ____ COMPLETED BY SEMAT ____ CANCEL (WORK NOT REQUIRED) ____ NOT VALIDATED				UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP: ____ YES ____ NO			
FIRST CONTACT SCHULTZ. EN2	RATE	SECOND CONTACT ENS COSMAS	RATE	PHONE			
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						ON BRD YES NO	
ASSESSOR: J. LAROCK QED SYSTEMS INC			TD	TL	LOGISTICIAN		PAGE NO
CODE:			PHONE: 757-490-5047				

USS LABOON (DDG-58)
AUXILIARY MACHINERY ROOM NO. 1 (4-126-0-E)

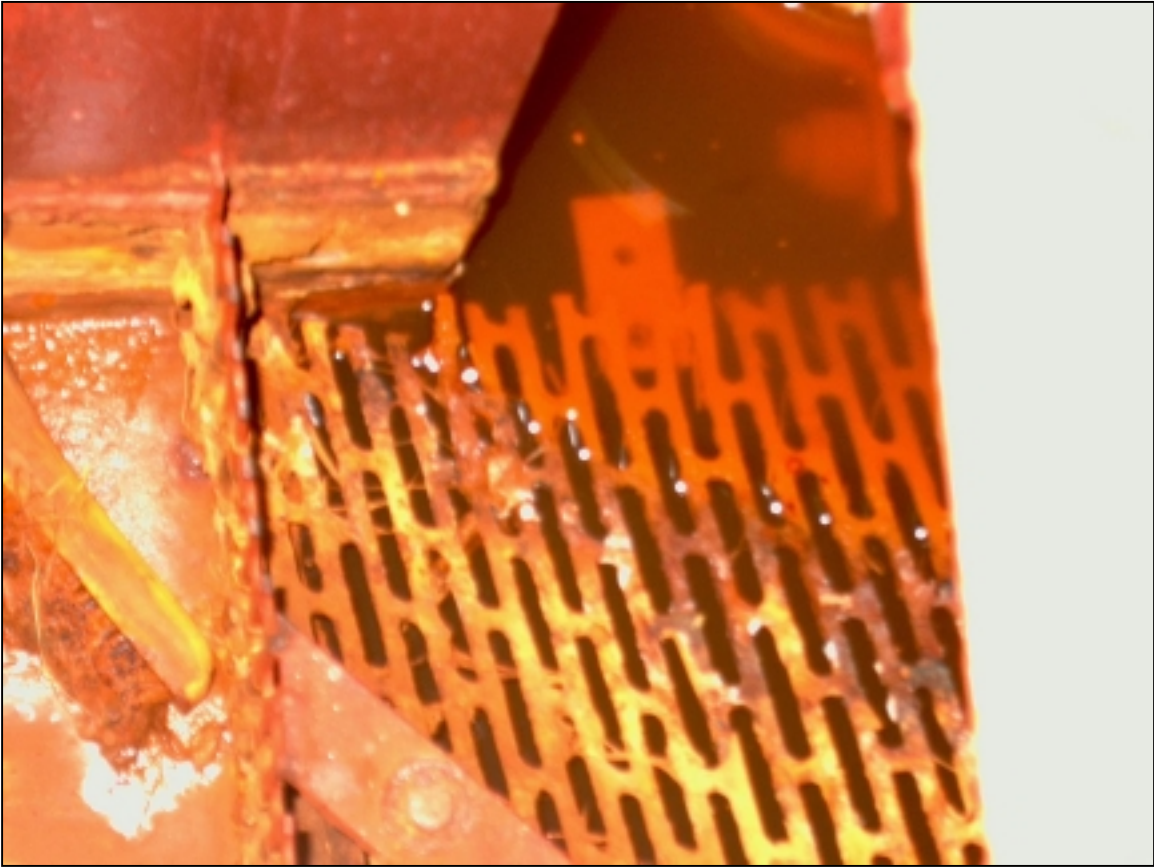


CORROSION ON TANK TOP UNDER A/C PLANT NO. 1 (CSMP/JSN-1623)



CORROSION ON TANK TOP BELOW HD (1140) / SPY-1D WATER COOLER

USS LABOON (DDG-58)
AUXILIARY MACHINERY ROOM NO. 1 (4-126-0-E)



CORROSION ON TANK TOP AT BILGE EDUCTOR. (CSMP / JSN-1623)
NUMEROUS DRAINS ARE PIPED DIRECTLY ON TO TANK TOP CAUSING CORROSION IN
ENTIRE SPACE.

CSMP REVIEW

ITEM NUMBER				SHIP USS LABOON (DDG-58)			
SYSTEM HULL DECKS		ESWBS 1301	EIC A500000	APL X-SYSTEMS		RIN	
EQUIPMENT NAME DECKS, HULL		IDENT/SERIAL NONE		LOCATION 3-370-0-E	WORK CENTER EMO2	JSN 1119	
EQUIPMENT STATUS		PROBLEM STATUS		CATEGORY			EOC
1. SAT - SATISFACTORY 2. UNSAT - UNSATISFACTORY 3. TNA - TEST NOT ATTEMPTED 4. TNC - TEST NOT COMPLETED 5. NOB - EQUIPMENT NOT ONBOARD		1. C - CORRECTED 2. A - AWAITING PARTS 3. T - AWAITING TECH ASSIST* 4. S - SHIP'S FORCE *UNCORRECTED PROBLEMS		1. S - PERSONNEL SAFETY 2. Z - EQUIPMENT SAFETY 3. H - HARDWARE 4. D - DOWN 5. L - LIMITED			
TYPE/AVAILABILITY	WHEN TO BE ACCOMPLISHED	STATUS	CAUSE		DEFERRAL REASON		
1. DEPOT 2. IMA 3. TECH ASSIST 4. SHIP'S FORCE 5. SFWL 1	1. IMMEDIATELY 2. PRIOR TO NEXT UNDERWAY 3. PIROR TO NEXT DEPLOYMENT 4. DURING POST DEPLOYMENT AVAILABILITY DEADLINE DATE:	1. OPERATIONAL 2. NON-OPERATIONAL 3. REDUCED CAPABILITY 4. NOT APPLICABLE 0	1. ABNORMAL ENVIRONMENT 2. MANUFACTURER/INSTALLATION DEFECTS 3. LACK OF KNOWLEDGE 4. COMMUNICATION PROBLEMS 5. INADEQUATE INSTRUCTION/PROCEDURE 6. INADEQUATE DESIGN 7. NORMAL WEAR AND TEAR 8. NOT APPLICABLE 6		1. S/F BACKLOG/OPERATIONAL PRIORITY 2. LACK OF MATERIAL 3. NO FORMAL TRAINING ON THIS EQUIPMENT 4. FORMAL TRAINING INADEQUATE IN THIS EQUIPMENT 5. INADEQUATE SCHOOL PRACTICAL TRAINING 6. LACK OF FACILITIES/CAPABILITIES 7. NOT AUTHORIZED FOR S/F ACCOMPLISHMENT 8. FOR S/F OVERHAUL OR AVAILABILITY WORK LIST 9. LACK OF TECHNICAL DOCUMENTATION 10. OTHER OR NOT APPLICABLE 6		
MAN HRS EXPENDED	MAN HRS REMAINING	COMPLETED ACTION TAKEN		S/F MANHOURS	PRIORITY		
SAFETY HAZARD: 1. SERIOUS - CORRECT AS SOON AS POSSIBLE 2. SERIOUS - SUSPENSION OF EQUIPMENT/SYSTEM/SPACE REQUIRED 3. SERIOUS - WAIVER OF EQUIPMENT/SYSTEM 4. SAFETY ITEM - MINOR 5. COMBUSTIBLE MATERIAL		1. MAINTENANCE ACTION COMPLETED: PARTS DRAWN FROM SUPPLY 2. MAINTENANCE ACTION COMPLETED: REQUIRED PARTS NOT DRAWN FROM SUPPLY 3. MAINTENANCE ACTION COMPLETED: NO PARTS REQUIRED 4. CANCELLED - DEFERRAL WILL BE REMOVED FROM CSMP 5. MAINTENANCE ACTION COMPLETED: 3-M CAPABILITY UTILIZED 6. NONE OF THE ABOVE, DESCRIBE IN REMARKS/DESCRIPTION SECTION			1. MANDATORY 2. ESSENTIAL 3. HIGHLY DESIRABLE 4. DESIRABLE 3		
NO. 3 GENERATOR ROOM BILGES ARE CORRODED AT BHD (370) TO APPROXIMATELY 7FT AFT OF BHD (370) APPROXIMATELY 40 SF OF TANK TOP / DECK HAS CORROSION ON STBD SIDE. DRAINS PIPED DIRECTLY INTO THE BILGE CAUSING OBSTRUCTION AND INABILITY TO CORRECTLY PRESERVE SPACE. XXX REQUEST DEPOT LEVEL EVALUATION, SOLUTION AND CORRECTION							
CSMP SUMMARY: BILGES ARE CORRODED.					TEST#		
ROOT CAUSE/AMPLIFICATION					STEP#		
SYSTEM LEVEL IMPACT:							
TECHNICIAN MARK APPROPRIATE BLOCKS: 2-KILO IS: VALID (NO CORRECTIONS) X REWRITE (VALID) FOUND COMPLETE COMPLETED BY SEMAT CANCEL (WORK NOT REQUIRED) NOT VALIDATED				UPLOAD VALIDATION INFORMATION / CORRECTIONS TO SNAP: YES NO			
FIRST CONTACT BROWN. GSM2	RATE	SECOND CONTACT GSM1 FOSTER	RATE	PHONE			
BLUEPRINTS: TECH MANUALS, PLANS, ETC.						ON BRD YES NO	
ASSESSOR: J. LAROCK QED SYSTEMS INC			TD	TL	LOGISTICIAN		PAGE NO
CODE:			PHONE: 757-490-5047				

USS LABOON (DDG-58)
GENERATOR ROOM NO. 3 (3-370-0-E)



AT BHD (370) TO APPROXIMATELY 7FT AFT OF BHD (370) APPROXIMATELY 40 SF OF TANK TOP / DECK HAS CORROSION ON STBD SIDE. (CSMP / JSN-1119)



FOUNDATION FOR FIRE PUMP NO. 6; APPROXIMATELY 7FT AFT OF BHD (370).
(CSMP / JSN-1119)

USS LABOON (DDG-58)
GENERATOR ROOM NO. 3 (3-370-0-E)



TANK TOP AFT OF FIRE PUMP NO. 6 (CSMP / JSN-1119)



CORROSION ON TANK TOP INSIDE FOUNDATION FOR FIRE PUMP NO. 6 APPROXIMATELY
7FT AFT OF BHD (370).
(CSMP / JSN-1119)

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-6-2-Q	N	N	N	N	UNASSESSABLE
3-18-0-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-39-1-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-42-0-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-42-2-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-62-1-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-68-2-M	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-78-1-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-78-2-A	Y	Y	Y	N	SPACE 100% ASSESSABLE

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-97-1-T	Y		Y	N	SPACE 100% ASSESSABLE
3-97-02-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-116-1-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-126-2-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-158-3-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-164-4-T	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-174-1-F	N	N	N	N	GAS FREE REQUIRED
3-185-1-F	N	N	N	N	GAS FREE REQUIRED
3-195-1-F	N	N	N	N	GAS FREE REQUIRED
3-204-1-F	N	N	N	N	GAS FREE REQUIRED

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-212-1-F	N	N	N	N	GAS FREE REQUIRED
3-220-01-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-220-2-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-254-2-F	N	N	N	N	GAS FREE REQUIRED
3-263-2-F	N	N	N	N	GAS FREE REQUIRED
3-272-2-F	N	N	N	N	GAS FREE REQUIRED
3-281-2-F	N	N	N	N	GAS FREE REQUIRED
3-291-2-F	N	N	N	N	GAS FREE REQUIRED
3-300-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-300-2-L	Y	Y	Y	N	SPACE 100% ASSESSABLE

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
3-310-2-L					SPACE 100% ASSESSABLE
3-325-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-338-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-338-2-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-338-5-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
3-338-6-L	Y	Y	Y	N	SPACE 100% ASSESSABLE

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-P-0-W	N	N	N	N	GAS FREE REQUIRED
4-U-0-V	N	N	N	N	GAS FREE REQUIRED
4-22-0-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-42-0-Q	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-78-1-F	N	N	N	N	GAS FREE REQUIRED
4-78-2-F	N	N	N	N	GAS FREE REQUIRED
4-94-0-C	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-110-0-E	Y	BHD	Y	N	SPACE 100% ASSESSABLE
4-110-1-L	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-126-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-126-1-W	N	N	N	N	GAS FREE REQUIRED
4-126-2-W	N	N	N	N	GAS FREE REQUIRED
4-150-1-W	N	N	N	N	GAS FREE REQUIRED
4-150-2-W	N	N	N	N	GAS FREE REQUIRED
4-174-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-174-1-F	N	N	N	N	GAS FREE REQUIRED
4-208-1-F	N	N	N	N	GAS FREE REQUIRED
4-220-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-220-1-F	N	N	N	N	GAS FREE REQUIRED
4-220-4-F	N	N	N	N	GAS FREE REQUIRED

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-254-0-E	Y	Y	Y	Y	SPACE 100% ASSESSABLE
4-370-1-J	N	N	N	N	GAS FREE REQUIRED
4-370-2-F	N	N	N	N	GAS FREE REQUIRED
4-370-3-F	N	N	N	N	GAS FREE REQUIRED
4-370-4-F	N	N	N	N	GAS FREE REQUIRED
4-370-5-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-370-6-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-386-0-J	N	N	N	N	GAS FREE REQUIRED
4-390-0-J	N	N	N	N	GAS FREE REQUIRED
4-402-0-J	N	N	N	N	GAS FREE REQUIRED

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
4-410-0-V	N	N	N	N	GAS FREE REQUIRED
4-410-1-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-410-2-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-426-0-A	Y	Y	Y	N	SPACE 100% ASSESSABLE
4-442-0-E	Y	Y	Y	N	SPACE 100% ASSESSABLE

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-2-0-Q	N	N	N	N	(CABLE TRUNK)
5-28-0-T	N	N	N	N	GAS FREE REQUIRED
5-34-0-V	N	N	N	N	GAS FREE REQUIRED
5-42-0-F	N	N	N	N	GAS FREE REQUIRED
5-78-1-F	N	N	N	N	GAS FREE REQUIRED
5-78-2-F	N	N	N	N	GAS FREE REQUIRED
5-106-1-T	N	N	N	N	UNASSESSABLE
5-126-1-F	N	N	N	N	GAS FREE REQUIRED
5-126-2-F	N	N	N	N	GAS FREE REQUIRED
5-126-3-T	N	N	N	N	UNASSESSABLE

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-174-1-F	N	N	N	N	GAS FREE REQUIRED
5-174-2-F	N	N	N	N	GAS FREE REQUIRED
5-174-4-F	N	N	N	N	GAS FREE REQUIRED
5-177-1-F	N	N	N	N	GAS FREE REQUIRED
5-204-1-V	N	N	N	N	GAS FREE REQUIRED
5-206-1-F	N	N	N	N	GAS FREE REQUIRED
5-212-2-W	N	N	N	N	GAS FREE REQUIRED
5-212-4-F	N	N	N	N	GAS FREE REQUIRED
5-214-1-F	N	N	N	N	GAS FREE REQUIRED
5-220-1-F	N	N	N	N	GAS FREE REQUIRED

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-220-2-F	N	N	N	N	GAS FREE REQUIRED
5-220-3-F	N	N	N	N	GAS FREE REQUIRED
5-220-4-F	N	N	N	N	GAS FREE REQUIRED
5-254-1-F	N	N	N	N	GAS FREE REQUIRED
5-254-2-F	N	N	N	N	GAS FREE REQUIRED
5-254-3-F	N	N	N	N	GAS FREE REQUIRED
5-254-4-V	N	N	N	N	GAS FREE REQUIRED
5-254-6-F	N	N	N	N	GAS FREE REQUIRED
5-264-2-F	N	N	N	N	GAS FREE REQUIRED
5-292-1-F	N	N	N	N	GAS FREE REQUIRED

DDG-51 CLASS STRUCTURAL ASSESSMENT MATRIX

SPACE NUMBER	SPACE ASSESSABLE	LAGGING ON BHD / SHELL	SPACE INSPECTED DURING SEMAT 1	HISTORICAL HOT SPOT	COMMENTS
5-292-2-W	N	N	N	N	GAS FREE REQUIRED
5-296-1-F	N	N	N	N	GAS FREE REQUIRED
5-300-01-E	Y	Y	Y	N	SPACE 100% ASSESSABLE
5-300-1-F	N	N	N	N	GAS FREE REQUIRED
5-300-2-F	N	N	N	N	GAS FREE REQUIRED
5-300-4-F	N	N	N	N	GAS FREE REQUIRED
5-338-1-F	N	N	N	N	GAS FREE REQUIRED
5-338-2-F	N	N	N	N	GAS FREE REQUIRED
5-354-0-F	N	N	N	N	GAS FREE REQUIRED
5-370-0-F	N	N	N	N	GAS FREE REQUIRED
5-378-0-V	N	N	N	N	GAS FREE REQUIRED